Environmental Protection Agency U.S. EPA Protecting the Environment work on HUMAN EXPOSURE TO POLLUTION

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What we do...

Find pollution exposure patterns

- Look at pollution exposure
- Collect test samples
- Analyze the samples
- Study the findings
- Use computers to make
- mathematical models
- Predict future human exposure to pollution
- Find ways to reduce human

Make Good Observations from...

- TV and the News
- Medical books and magazines
- Government Requirements
- Human sample Data
- Human health patterns
- Pollution accidents

Pollution can be Everywhere

- Indoor air
- Outside air
- Food and drinks
- Drinking water
- Wash water
- Soil outside
- House dust
- Hair
- Urine

5 Find Exposure **Patterns**

- Amount of pollution that causes problems
- Activities
- Time exposed
- Weight and age
- Location
- High-risk groups
- Soil, water, or air
- Science and judgment

Reducing Your **Personal Exposure**

- Lots of fresh air in your home
- Lots of fresh air in your
- Follow directions on packages
- Stay away from pesticides!
- Use your bathroom fan
- Use your stove fan
- Avoid tracking in dirt
- Avoid gas and gasoline

Predicting Future Human Exposure Using Models







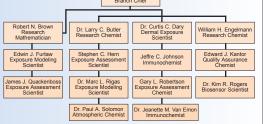


To Study pollution problems - always need good data

- Data = information
- Scientists need the best information
- Data are collected from studies of many people
- Many people give good averages
- EPA wants data from people everywhere
- People can volunteer for studies
- Especially near U.S. and Mexico border

Making Computer Math Models

Human Exposure Research Branch



Notice

We did our best to tell you the scientific truth but the EPA may have wanted us to use other words.





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